



LED Procurement Checklist

Scott Riesebosch

President, CRS Electronics

Why?



Have I got an LED light for you!

It will last 10 Gagillion hours!

It replaces X?

We're the "manufacturer",

And our warranty is 6 minutes,

And we don't have any references!



LED bulb

Select Country/Region ▾

All Categories ▾

Search



[More search options](#)

Popular Searches: electric scooter, digital photo frame, air conditioner, three wheel motorcycle, batteries, car dvd, concrete mixer, baby car seat

Home > Buy > Search : LED bulb 21,249 Products

Related Searches: [High Power LED Bulb](#) [LED Bulb Lamp](#) [LED Bulb Lights](#) [Power LED Bulb](#) [View all](#)

Refine LED bulb By

More Options  

Related Categories

[LED Bulbs & Tubes](#) (7352)

[LED Lamps](#) (4802)

[Auto Lighting System](#) (2359)

[Energy Saving & Fluorescent](#)
(203)

[View all](#)

Manufacturing Region

 China (ma

 Hong Kong(21

 Taiwan(1261)

 United States(311)

[View all](#)

Main Export Markets

Western Europe (19986)

North America (19757)

Eastern Europe (19139)

South America (18302)

[View all](#)

Business Type

Manufacturer (20326)

Trading Company (6152)

Distributor/Wholesaler (2212)

Agent (1162)

[View all](#)

Trade Alert



Send me the latest
Product Offers for:

LED bulb

by mail

<Your email address>


(Your privacy is guaranteed)

[Subscribe](#)


[Manage My Trade Alert](#)

[See a sample](#) [learn more](#)

17,000 suppliers of “LED bulbs”!

 Global trade starts here.™

[Buy Now](#) [Sell Now](#) [My Alibaba](#) [Community](#) [News](#)

[Products](#) [Selling Leads](#) [Suppliers](#) [Buyers](#) [Trade Shows](#)  [Find Your SuperDeals](#)

[More search options](#)

Your Recent Searches: LED streetlight, LED bulb

Home > Buy > Search : LED streetlight 242 Products





Related Searches: [High Power Led Streetlight](#)

Refine LED streetlight By

Related Categories

- [Street Lights](#) (192)
- [LED Lamps](#) (25)
- [Garden Lights](#) (3)

Manufacturing Region



-  [China \(mainland\)](#) (197)
-  [United Kingdom](#) (9)
-  [India](#) (6)
-  [Taiwan](#) (6)
- [View all](#)


Main Export Markets

- [Western Europe](#) (226)
- [North America](#) (219)
- [Eastern Europe](#) (214)
- [Southeast Asia](#) (207)
- [View all](#)


Business Type

- [Manufacturer](#) (221)
- [Trading Company](#) (42)
- [Distributor/Wholesaler](#) (39)
- [Agent](#) (32)
- [View all](#)

[More Options](#)  

 [View gallery](#) Page 1 of 7: << Previous | next >>

Trade Alert







 Send me the latest Product Offers for:

by mail

(Your privacy is guaranteed)

[Manage My Trade Alert](#)
[See a sample](#) [learn more](#)

197 suppliers of LED Streetlights!

Product Image	Item Name-	Price
	CREE LED Light Bulb E27 Cree XLamp XRE 3X1 Watts Various Colors - 10pcs	<div>\$229.00</div> ... more info
	CREE LED Light Bulb GU10 Cree XLamp XRE 3 Watts Various Colors - 10pcs	<div>\$165.00</div> ... more info
	CREE LED Light Bulb MR16 Cree XLamp XRE 3 Watts Various Colors - 10pcs (Hot !)	<div>\$159.00</div> ... more info
	CREE LED Light Bulb MR16 Cree XLamp XRE 3X1 Watts Various Colors - 10pcs	<div>\$225.00</div> ... more info
	CREE® LED Light Bulb E14 Cree® XLamp® XRE 3 Watts Varous Colors - 10pcs	<div>\$165.00</div> ... more info
	CREE® LED Light Bulb E27 Cree® XLamp® XRE 3 Watts Varous Colors - 10pcs	<div>\$165.00</div> ... more info

Why?

- LED fixtures cost more (typically)
 - You expect them to last longer
 - Could vary greatly in CCT – from 2,700K up to 10,000K!
 - Output could be far lower than expected
 - Output could degrade very quickly
 - Color could shift dramatically
 - Safety
 - Your reputation!
 - Supply chain claims are often inaccurate
-

Yep! Sure wish I used
that checklist I saw at
the ENERGY STAR
conference!

You picked the wrong
LED product too, eh?



What is the maximum junction temperature (T_j) specification (at highest ambient temp)?

What is the operating temperature range specification?

Was it salt spray tested (for outdoor fixtures) in accordance with ASTM B117? For how long?

What is the lumen maintenance specification?

What LED is inside? Is it a brand name? Was it tested according to IESNA LM-80?

What is the luminaire life expectancy and warranty?

What is the ingress protection rating?

What is the power factor?

How much power does it consume in the off state?

Does it have a UL / CSA / applicable safety mark?

What is the CCT range? (ex. 3000K +/- 175K)

What is the chromaticity stability over time?

What are the tolerances on specifications?

Is it a Lead-free fixture / RoHS compliant?

Is the lumen specification for DELIVERED lumens out of the fixture?

Is the LPW specification for FIXTURE LPW (lumens / watt)?

Are IES files available?

Are references available?

Has it been tested in accordance with the IESNA LM-79 standard – absolute photometry?

The Palace Pier Project, Toronto, Canada



BEFORE
46,025 watts

AFTER
6,575 watts

Payback period <1 yr
10% funding secured

White Oaks



20W Halogen

6W LED



Halogen Lighting, 200W



LED Lighting, 55W



Halogen Lighting, 800W



LED Lighting, 220W



HPS - 125W



LED - 60W



HPS - 125W



LED - 60W



www.CRSelectronics.com

Revised February 25, 2009

LED Fixture Datasheet Checklist

Questions listed on this page are listed again on sub-sequent pages with explanations, allowing you to keep this page handy as a single page reference.

What is the maximum junction temperature (Tj) specification (at highest ambient temp)?

What is the operating temperature range specification?

Was it salt spray tested (for outdoor fixtures) in accordance with ASTM B117? For how long?

What is the lumen maintenance specification?

What LED is inside? Is it a brand name? Was it tested according to IESNA LM-80?

What is the luminaire life expectancy and warranty?

What is the ingress protection rating?

What is the power factor?

How much power does it consume in the "off" state?

Does it have a UL / CSA / applicable safety mark?

What is the CCT range? (ex. 3000K +/- 175K)

What is the chromaticity stability over time?

What are the tolerances on specifications?

Is it a Lead-free fixture / RoHS compliant?

Is the lumen specification for DELIVERED lumens out of the fixture?

Is the LPW specification for FIXTURE LPW (lumens / watt)?

Are IES files available?

How long has the company been in the LED business? Are you comfortable with them?

Has it been tested in accordance with the IESNA LM-79 standard – absolute photometry?

LED 101 'Lessons to Learn' Educational Webcasts

Thank you!

scott@crselectronics.com

